## **AMENDMENTS TO THE SPECIFICATION:**

## Please amend the paragraph beginning at page 15, line 13, as follows:

When the circuit is operating, the load impedance  $ZI(\Omega)$  of the driver IC 41, created by the side of the circuit containing the measuring instrument 6 as viewed from the line 42 shown in FIG. 3, is changed from the input impedance  $Zr(\Omega)$  of the receiver IC 43 to  $Zr \times (Za + 50)/\{Zr + (Za + 50)\}$  ( $\Omega$ ) by bringing the probe 1 into contact with the conductor patters 9 and 10. In other words, the load impedance  $ZI(\Omega)$  of the driver IC 41 can be expressed as being formed by a serial connection between the input impedance  $Zr(\Omega)$  of the receiver IC 43 and the input impedance  $Za + 50(\Omega)$  of the probe 1, which is the sum of the impedance  $Za(\Omega)$  in the vicinity of the distal end of the probe 1 and the impedance (50  $\Omega$ ) of the measuring instrument [[106]]  $\underline{6}$ .

## Please amend the paragraph beginning at page 20, line 10, as follows:

In the electrical characteristics measurement device of the present embodiment, the input impedance Za + 50 of the probe 1 can thus be easily changed because a variable resistance element 4 is disposed in the vicinity of the distal end of the probe 1. Also, there is accordingly no longer a need to consider the relationship between the electrical length and the wavelength between the variable resistance element 4 and measurement object 8, and measurement can easily be carried out because the distance H between the measurement object 8 and variable resistance element 4 is made sufficiently less than the measuring wavelength by disposing the variable resistance element 4 in the vicinity of the signal terminal 2 of the probe 1. For example, when the reflection characteristics are measured using the electrical characteristics measurement device and method described above, first, the impedance in the

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vicinity of the signal terminal 2 is set to 0 by adjusting the resistance value of the variable

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resistance element 4, calibration is carried out by using disconnection (infinite), short-circuiting  $(0 \Omega)$ , and loading (resistance), and the impedance in the vicinity of the signal terminal 2 is set to a value that is greater than the predictable impedance of the measurement object by varying the resistance value of the variable resistance element 4 so that measurement can be performed. For this reason, the reflection characteristics of a measurement object can easily be measured with good precision by using the electrical <u>characteristics</u> measurement device of the present embodiment.

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